

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended): An angular-position magnetic-sensor device comprising:
~~provided with~~ at least one stator (1, 2) and one rotor; (3),
~~the a space between the said stator (1, 2) and the said rotor, (3) defining over~~
substantially 360°, as a main air gap (4) ~~in which there move~~ including at least two movable
magnetic poles (5, 6) of alternating polarities; and[[,]]
~~the said stator (1, 2) being provided with~~ including at least one secondary air gap (7,
8) in which there is placed at least one magnetosensitive element (9), ~~characterized~~
wherein in that the said stator (1, 2) ~~is composed of~~ includes two pole shoes (1 and 2)
having angular widths that are substantially equal to 120° and 240° respectively, and ~~in that~~
the two magnetic poles (5, 6) each have an angular width substantially equal to 120°.
2. (Currently Amended): ~~An~~ The angular-position magnetic-sensor device according
to claim 1, ~~characterized in that~~ wherein the rotor (3) is situated in the an interior of the stator
(1, 2).
3. (Currently Amended): ~~An~~ The angular-position magnetic-sensor device according
to claim 1, ~~characterized in that~~ wherein the rotor (11) is situated on the an exterior of the
stator (12, 13).
4. (Currently Amended): ~~An~~ The angular-position magnetic-sensor device according
to claim 1, ~~characterized in that~~ wherein the aforesaid two magnetic poles (5, 6) are radially
magnetized adjacent magnets.
5. (Currently Amended): ~~An~~ The angular-position magnetic-sensor device according
to claim 1, ~~characterized in that~~ wherein the sides of the said secondary air gap (7, 8) are
oriented radially, ~~or in other words "in the form of radial slits"~~.

6. (Currently Amended): ~~An~~ The angular-position magnetic-sensor device according to claim 1, ~~characterized in that~~ wherein the sides of the said secondary air gap (7,8) are oriented in the a same direction, ~~or in other words "in the form of straight slits"~~.

7. (Currently Amended): ~~An~~ The angular-position magnetic-sensor device according to either one of claim claims 5 or 6, ~~characterized in that~~ wherein the sides of the said secondary air gap (7,8) are mutually parallel.

8. (Currently Amended): ~~An~~ The angular-position magnetic-sensor device according to claim 1, ~~characterized in that~~ wherein at least one of the said two magnetic poles (5,6) is made of a soft ferromagnetic material.

9. (Currently Amended): ~~An~~ The angular-position magnetic-sensor device according to claim 1, ~~characterized in that~~ wherein at least one of the two magnetic poles (5,6) is glued to the rotor (3).

10. (Currently Amended): ~~An~~ The angular-position magnetic-sensor device according to claim 1, ~~characterized in that~~ wherein at least one of the two magnetic poles (5,6) is an integral part of the rotor (3).

11. (Currently Amended): ~~An~~ The angular-position magnetic-sensor device according to claim 1, ~~characterized in that~~ wherein the rotor (15) and the stator (1,2) are disposed axially, ~~or in other words along the same linear axis~~.

12. (Currently Amended): ~~An~~ The angular-position magnetic-sensor device according to claim 11, ~~characterized in that~~ wherein the said magnetic poles (5,6) are adjacent disc-shaped magnets that are magnetized axially, ~~or in other words along the same linear axis~~.

13. (Currently Amended): ~~An~~ The angular-position magnetic-sensor device according

to claim 1, ~~characterized in that~~ wherein the rotor (16, 17) comprises at least two axially separate parts (16 and 17).

14. (Currently Amended): ~~An~~ The angular-position magnetic-sensor device according to claim 13, ~~characterized in that~~ wherein the two parts (16, 17) forming the rotor are separated by an axially magnetized disc magnet (18).

15. (Currently Amended): ~~An~~ The angular-position magnetic-sensor device according to claim 1, ~~characterized in that~~ wherein the rotor (19, 20) comprises at least two transversely separate parts (19 and 20).

16. (Currently Amended): ~~An~~ The angular-position magnetic-sensor device according to claim 15, ~~characterized in that~~ wherein the two parts (19, 20) forming the rotor are separated by a transversely magnetized parallelepiped magnet (21).

17. (Currently Amended): ~~An~~ The angular-position magnetic-sensor device according to claim 13, ~~characterized in that~~ wherein the two parts (24, 25) of the rotor are separated by an axially magnetized annular magnet (26).

18. (Currently Amended): ~~An~~ The angular-position magnetic-sensor device according to claim 3, ~~characterized in that~~ wherein the rotor (28, 29) comprises at least two parts (28 and 29) separated transversely by a transversely magnetized magnet (32).

19. (Currently Amended): ~~An~~ The angular-position magnetic-sensor device according to claim 18, ~~characterized in that~~ wherein the magnet (32) has a parallelepiped shape.